BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Modified Estimate for Asphalting to roads at Chandrappa layout Bharath nagara adithya nagara and surrounding areas in ward no: 03 Yelahanka Satellite Town Sub Division

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		In Rs	In Rs
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications								
	RCC Drain	Cum							
	3A main road Bharath Nagara- W0756 North SIDE (From Hesaraghatta Road)		1	50.50	0.95	1.00	47.98		
	3A main road Bharath Nagara- W0756 North SIDE		1	83.50	1.10	1.00	91.85		
	Bharath Nagara- W0764 North SIDE (From Hesaraghatta Road)		1	50.50	0.95	1.00	47.98		
	Bharath Nagara- W0768 North SIDE (From Hesaraghatta Road)		1	49.20	0.95	1.00	46.74		
	Bharath Nagara- W0770 South SIDE (From Hesaraghatta Road)		1	48.00	0.95	1.00	45.60		
	Bharath Nagara- W0774 South SIDE (From Hesaraghatta Road)		1	36.80	0.95	1.00	34.96		
	Bharath Nagara- W0780 North SIDE (From Hesaraghatta Road)		1	50.00	0.95	1.00	47.50		
	Bharath Nagara- W0782 North SIDE (From Hesaraghatta Road)		1	48.10	0.90	1.00	43.29		
	Perpendicular road- W1323 East SIDE (From 3A main road Bharath Nagara)		1	127.80	1.10	1.00	140.58		
	Perpendicular road- W1323 West SIDE (From 3A main road Bharath Nagara)		1	127.80	1.10	1.00	140.58		
	Adtiyanagar								
	10th Main Rd		1	188.50	1.10	1.10	228.09		
	Culvert		14	5.19	1.40	0.90	91.55		
							1006.69	211.79	**213206.16**
	Approved Rate Rs.=	211.79							
2	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour, HOM complete as per the specification								
	RCC Drain	Cum							
	3A main road Bharath Nagara- W0756 North SIDE (From Hesaraghatta Road)		1	50.50	0.95	0.15	7.20		
	3A main road Bharath Nagara- W0756 North SIDE		1	83.50	1.10	0.15	13.78		
	Bharath Nagara- W0764 North SIDE (From Hesaraghatta Road)		1	50.50	0.95	0.15	7.20		
	Bharath Nagara- W0768 North SIDE (From Hesaraghatta Road)		1	49.20	0.95	0.15	7.01		
	Bharath Nagara- W0770 South SIDE (From Hesaraghatta Road)		1	48.00	0.95	0.15	6.84		
	Bharath Nagara- W0774 South SIDE (From Hesaraghatta Road)		1	36.80	0.95	0.15	5.24		
	Bharath Nagara- W0780 North SIDE (From Hesaraghatta Road)		1	50.00	0.95	0.15	7.13		
	Bharath Nagara- W0782 North SIDE (From Hesaraghatta Road)		1	48.10	0.90	0.15	6.49		

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		In Rs	In Rs
	rpendicular road- W1323 East SIDE rom 3A main road Bharath Nagara)		1	127.80	1.10	0.15	21.09		
	erpendicular road- W1323 West SIDE (From 3A main road Bharath Nagara)		1	127.80	1.10	0.15	21.09		
	Adtiyanagar								
	10th Main Rd								
	For Kerb		1	188.50	1.10	0.15	31.10		
	Chandrappa layout								
	1st Cross Rd LHS								
	1st Cross Rd RHS		1	46.90	0.20	0.10	0.94		
	2nd Cross Rd LHS		1	41.30	0.20	0.10	0.83		
	2nd Cross Rd RHS		1	38.50	0.20	0.10	0.77		
	3rd Cross Rd LHS		1	46.80	0.20	0.10	0.94		
	3rd Cross Rd RHS		1	36.90	0.20	0.10	0.74		
	4th Cross Rd LHS		1	48.70	0.20	0.10	0.97		
	4th Cross Rd RHS		1	37.10	0.20	0.10	0.74		
	5th Cross Rd LHS		1	46.70	0.20	0.10	0.93		
	5th Cross Rd RHS		1	40.00	0.20	0.10	0.80		
	Cross road		1	46.90	0.20	0.10	0.94		
	Culvert		10	159.00	0.20	0.10	31.80		
			14	5.19	1.40	0.15	15.26		
	Approved Rate Rs.=	4479.56					**189.81**	4479.56	**850285.89**
3	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification								
		Ton							
	Steel for drain		1	273.42		0.06	16.41		
	Steel for Culvert		1	42.51		0.09	3.83		
	Approved Rate Rs.=	72326.98					**20.23**	72326.98	**1463216.61**
4	Providing and laying plain/reinforced cement concrete for side drains wall & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs with 29mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregate at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.								
	RCC Drain	Cum							
	Raft								
	3A main road Bharath Nagara- W0756 North SIDE (From Hesaraghatta Road)		1	50.50	0.85	0.15	6.44		
	3A main road Bharath Nagara- W0756 North SIDE		1	83.50	1.00	0.15	12.53		
	Bharath Nagara- W0764 North SIDE (From Hesaraghatta Road)		1	50.50	0.85	0.15	6.44		
	Bharath Nagara- W0768 North SIDE (From Hesaraghatta Road)		1	49.20	0.85	0.15	6.27		
	Bharath Nagara- W0770 South SIDE (From Hesaraghatta Road)		1	48.00	0.85	0.15	6.12		
	Bharath Nagara- W0774 South SIDE (From Hesaraghatta Road)		1	36.80	0.85	0.15	4.69		
	Bharath Nagara- W0780 North SIDE (From Hesaraghatta Road)		1	50.00	0.85	0.15	6.38		

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	arath Nagara- W0782 North SIDE rom Hesaraghatta Road)		1	48.10	0.85	0.15	6.13		
	erpendicular road- W1323 East SIDE (From 3A main road Bharath Nagara)		1	127.80	1.00	0.15	19.17		
	Perpendicular road- W1323 West SIDE (From 3A main road Bharath Nagara)		1	127.80	1.00	0.15	19.17		
	Adtiyanagar								
	10th Main Rd		1	188.50	0.90	0.15	25.45		
	Culvert Raft		14	5.19	1.40	0.25	25.43		
	Wall								
	3A main road Bharath Nagara- W0756 North SIDE (From Hesaraghatta Road)		2	50.50	0.15	0.60	9.09		
	3A main road Bharath Nagara- W0756 North SIDE		2	83.50	0.15	0.60	15.03		
	Bharath Nagara- W0764 North SIDE (From Hesaraghatta Road)		2	50.50	0.15	0.60	9.09		
	Bharath Nagara- W0768 North SIDE (From Hesaraghatta Road)		2	49.20	0.15	0.59	8.71		
	Bharath Nagara- W0770 South SIDE (From Hesaraghatta Road)		2	48.00	0.15	0.59	8.50		
	Bharath Nagara- W0774 South SIDE (From Hesaraghatta Road)		2	36.80	0.15	0.60	6.62		
	Bharath Nagara- W0780 North SIDE (From Hesaraghatta Road)		2	50.00	0.15	0.60	9.00		
	Bharath Nagara- W0782 North SIDE (From Hesaraghatta Road)		2	48.10	0.15	0.60	8.66		
	Perpendicular road- W1323 East SIDE (From 3A main road Bharath Nagara)		2	127.80	0.15	0.60	23.00		
	Perpendicular road- W1323 West SIDE (From 3A main road Bharath Nagara)		2	127.80	0.15	0.60	23.00		
	Adtiyanagar								
	10th Main Rd		2	188.50	0.15	0.60	33.93		
	Culvert Wall		28	5.19	0.25	0.47	17.08		
							315.92	7070.20	**2233640.56**
	Approved Rate Rs.=	7070.20							
5	Supplying and fixing precast reinforced concrete slab 10cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges , labour charges inclusive of cost of cost of all materials (data Rate enclosed)								
		Sqm							
	3A main road Bharath Nagara- W0756 North SIDE (From Hesaraghatta Road)		1	50.50	0.75	--	37.88		
	3A main road Bharath Nagara- W0756 North SIDE		1	83.50	0.90	--	75.15		
	Bharath Nagara- W0764 North SIDE (From Hesaraghatta Road)		1	50.50	0.75	--	37.88		
	Bharath Nagara- W0768 North SIDE (From Hesaraghatta Road)		1	49.20	0.75	--	36.90		
	Bharath Nagara- W0770 South SIDE (From Hesaraghatta Road)		1	48.00	0.75	--	36.00		
	Bharath Nagara- W0774 South SIDE (From Hesaraghatta Road)		1	36.80	0.75	--	27.60		
	Bharath Nagara- W0780 North SIDE (From Hesaraghatta Road)		1	50.00	0.75	--	37.50		
	Bharath Nagara- W0782 North SIDE (From Hesaraghatta Road)		1	48.10	0.75	--	36.08		

Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
			m	m	m		In Rs	In Rs
rpendicular road- W1323 East SIDE rom 3A main road Bharath Nagara)		1	127.80	0.90	--	115.02		
erpendicular road- W1323 West SIDE (From 3A main road Bharath Nagara)		1	127.80	0.90	--	115.02		
missing slabs		58	0.60	0.90	--	31.32		
Adtiyanagar								
10th Main Rd		1	188.50	0.90	--	169.65		
						755.99	2337.00	**1766736.95**
Approved Rate Rs.=	2337.00							
6 Providing and laying Pre Cast Cover slabs of 250mm thick of mix M20 using graded granite jelly 20mm down size with steel reinforcement, including from work, lift charges, curing and concrete finished surfaces on both side etc. complete and as per drawing and direction of Engineer-in-charge of work (data Rate enclosed)								
	Sqm							
Culvert		14	5.19	1.20	--	87.12		
						87.12	5418.00	**472016.16**
Approved Rate Rs.=	5418.00							
7 KSRRB M300-14. Excavation for Road Way in Hard rock by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.								
	Cum							
Adtiyanagar								
1st Cross rd		1	106.50	6.70	0.40	285.42		
2nd Cross rd		1	82.10	7.05	0.40	231.52		
3rd Cross rd		1	48.20	7.10	0.40	136.89		
Connecting Rd		1	85.80	5.30	0.40	181.90		
Chandrappa layout								
1st Main Rd		1	213.50	7.00	0.40	597.80		
1st Cross Rd		1	46.80	5.94	0.40	111.20		
2nd Cross Rd		1	48.60	5.72	0.40	111.20		
3rd Cross Rd		1	48.00	5.84	0.40	112.13		
4th Cross Rd		1	47.80	5.48	0.40	104.78		
5th Cross Rd		1	50.00	5.57	0.40	111.40		
						1984.23	43.46	**86234.43**
Approved Rate Rs.=	43.46							
8 KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.								
	Sqm							
Adtiyanagar								
1st Cross rd		1	106.50	6.70		713.55		
2nd Cross rd		1	82.10	7.05		578.81		
3rd Cross rd		1	48.20	7.10		342.22		
Connecting Rd		1	85.80	5.30		454.74		
Chandrappa layout								
1st Main Rd		1	213.50	7.00		1494.50		
1st Cross Rd		1	46.80	5.94		277.99		
2nd Cross Rd		1	48.60	5.72		277.99		
3rd Cross Rd		1	48.00	5.84		280.32		
4th Cross Rd		1	47.80	5.48		261.94		
5th Cross Rd		1	50.00	5.57		278.50		
						4960.66	6.36	**31549.18**

		Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		In Rs	In Rs
	Approved Rate Rs.=	6.36							
	nstruction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse aded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by otavator at OMC,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.								
		Cum							
	Adtiyanagar								
	1st Cross rd		1	106.50	6.70	0.15	107.03		
	2nd Cross rd		1	82.10	7.05	0.15	86.82		
	3rd Cross rd		1	48.20	7.10	0.15	51.33		
	Connecting Rd		1	85.80	5.30	0.15	68.21		
	Chandrappa layout								
	1st Main Rd		1	213.50	7.00	0.15	224.18		
	1st Cross Rd		1	46.80	5.94	0.15	41.70		
	2nd Cross Rd		1	48.60	5.72	0.15	41.70		
	3rd Cross Rd		1	48.00	5.84	0.15	42.05		
	4th Cross Rd		1	47.80	5.48	0.15	39.29		
	5th Cross Rd		1	50.00	5.57	0.15	41.78		
							744.08	1855.00	**1380276.65**
	Approved Rate Rs.=	1855.00							
10	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.								
		Cum							
	Adtiyanagar								
	1st Cross rd		1	106.50	6.70	0.225	160.55		
	2nd Cross rd		1	82.10	7.05	0.225	130.23		
	3rd Cross rd		1	48.20	7.10	0.225	77.00		
	Connecting Rd		1	85.80	5.30	0.225	102.32		
	Chandrappa layout								
	1st Main Rd		1	213.50	7.00	0.225	336.26		
	1st Cross Rd		1	46.80	5.94	0.225	62.55		
	2nd Cross Rd		1	48.60	5.72	0.225	62.55		
	3rd Cross Rd		1	48.00	5.84	0.225	63.07		
	4th Cross Rd		1	47.80	5.48	0.225	58.94		
	5th Cross Rd		1	50.00	5.57	0.225	62.66		
							1116.13	2001.28	**2233681.99**
	Approved Rate Rs.=	2001.28							
11	KSRRB M500-6. Providing and applying primer coat with S S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.								
		Sqm							
	Adtiyanagar								
	1st Cross rd		1	106.50	6.70		713.55		
	2nd Cross rd		1	82.10	7.05		578.81		
	3rd Cross rd		1	48.20	7.10		342.22		
	Connecting Rd		1	85.80	5.30		454.74		
	Chandrappa layout								
	1st Main Rd		1	213.50	7.00		1494.50		
	1st Cross Rd		1	46.80	5.94		277.99		
	2nd Cross Rd		1	48.60	5.72		277.99		

				m	m	m		In Rs	In Rs
	Cross Rd		1	48.00	5.84		280.32		
	n Cross Rd		1	47.80	5.48		261.94		
	th Cross Rd		1	50.00	5.57		278.50		
							4960.56	33.92	168262.30
	Approved Rate Rs.=	33.92							
12	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications.								
		Sqm							
	Adtiyanagar								
							0.00	5.30	**0.00**
	Approved Rate Rs.=	5.30							
13	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications								
		Sqm							
	Adtiyanagar								
	1st Cross rd		1	106.50	6.70		713.55		
	2nd Cross rd		1	82.10	7.05		578.81		
	3rd Cross rd		1	48.20	7.10		342.22		
	Connecting Rd		1	85.80	5.30		454.74		
	Chandrappa layout								
	1st Main Rd		1	213.50	7.00		1494.50		
	1st Cross Rd		1	46.80	5.94		277.99		
	2nd Cross Rd		1	48.60	5.72		277.99		
	3rd Cross Rd		1	48.00	5.84		280.32		
	4th Cross Rd		1	47.80	5.48		261.94		
	5th Cross Rd		1	50.00	5.57		278.50		
							4960.56	12.72	63098.36
	Approved Rate Rs.=	12.72							
14	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen								
		Cum							
	Adtiyanagar								
	1st Cross rd		1	106.50	6.70	0.05	35.68		
	2nd Cross rd		1	82.10	7.05	0.05	28.94		
	3rd Cross rd		1	48.20	7.10	0.05	17.11		
	Connecting Rd		1	85.80	5.30	0.05	22.74		
	Chandrappa layout								
	1st Main Rd		1	213.50	7.00	0.05	74.73		
	1st Cross Rd		1	46.80	5.94	0.05	13.90		
	2nd Cross Rd		1	48.60	5.72	0.05	13.90		
	3rd Cross Rd		1	48.00	5.84	0.05	14.02		
	4th Cross Rd		1	47.80	5.48	0.05	13.10		
	5th Cross Rd		1	50.00	5.57	0.05	13.93		
							248.03	7428.48	1842472.15
	Approved Rate Rs.=	7428.48							

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Description of Work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
			m	m	m		In Rs	In Rs
Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)								
	Cum							
Adtiyanagar								
1st Cross rd		1	106.50	6.70	0.04	28.54		
2nd Cross rd		1	82.10	7.05	0.04	23.15		
3rd Cross rd		1	48.20	7.10	0.04	13.69		
Connecting Rd		1	85.80	5.30	0.04	18.19		
Chandrappa layout								
1st Main Rd		1	213.50	7.00	0.04	59.78		
1st Cross Rd		1	46.80	5.94	0.04	11.12		
2nd Cross Rd		1	48.60	5.72	0.04	11.12		
3rd Cross Rd		1	48.00	5.84	0.04	11.21		
4th Cross Rd		1	47.80	5.48	0.04	10.48		
5th Cross Rd		1	50.00	5.57	0.04	11.14		
						198.42	8831.92	**1752451.82**
Approved Rate Rs.=	8831.92							
16 KSRRB M800-13 Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.								
	Sqm							
Adtiyanagar								
1st Cross rd		2.5	106.50	0.10		26.63		
2nd Cross rd		2.5	82.10	0.10		20.53		
3rd Cross rd		2.5	48.20	0.10		12.05		
Connecting Rd		2.0	85.80	0.10		17.16		
Chandrappa layout								
1st Main Rd		2.5	213.50	0.10		53.38		
1st Cross Rd		2.0	46.80	0.10		9.36		
2nd Cross Rd		2.0	48.60	0.10		9.72		
3rd Cross Rd		2.0	48.00	0.10		9.60		
4th Cross Rd		2.0	47.80	0.10		9.56		
5th Cross Rd		2.0	50.00	0.10		10.00		
						177.98	454.74	**80932.35**
Approved Rate Rs.=	454.74							
17 Supply and fixing of Retro Reflective Single Arrow Road Name Signboard of size 1600mm x 900mm made out of retro reflective sheeting conforming to Type XI standards of ASTM D 4956 - 09 & as per IRC 67-2012 for full back ground of blue colour & white letters and fixed over 4 mm thick Aluminium Composite Material sheet having minimum 0.5 mm thick Aluminium skin on both sides with back side painted grey colour and fixed over back support frame SS angle of 15mm x 20mm x 1.2mm, supported by 38mm OD stainless steel pipe all round in 304 grade and 2 nos of vertical posts of 50 mm OD stainless steel pipe of 202 grade firmly fixed to the ground by means of properly designed foundation of size 450mm x 450mm x 600mm in 1:1.5:3 ratio cement concrete. The background shall be blue in color with letters and border in white, the item includes earthwork excavation, cost of all materials, loading, unloading, lead, lift, transportation etc., complete. as per direction of engineer incharge of work clause 6.9 of IRC 67-2012 for Type XI retro reflective sheeting from the sheeting manufacturer & a certified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 67-2012 including outdoor weather exposure report for the retro reflective sheeting offered shall be submitted by the contractor for technical qualification in the tender.								

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		In Rs	In Rs
	dtiyanagar	Sqm							
	st Cross rd								
			2	1.60	0.90		2.88		
	Approved Rate Rs.=	14094.82					2.88	14094.82	40593.08
	EIRL								
	Providing and fixing pre cast solid concrete kerb stones of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete.								
		Nos							
	Chandrappa layout								
	1st Cross Rd LHS		1	46.90			105.00		
	1st Cross Rd RHS		1	41.30			92.00		
	2nd Cross Rd LHS		1	38.50			86.00		
	2nd Cross Rd RHS		1	46.80			104.00		
	3rd Cross Rd LHS		1	36.90			82.00		
	3rd Cross Rd RHS		1	48.70			109.00		
	4th Cross Rd LHS		1	37.10			83.00		
	4th Cross Rd RHS		1	46.70			104.00		
	5th Cross Rd LHS		1	40.00			89.00		
	5th Cross Rd RHS		1	46.90			105.00		
	Cross road		10	159.00			3534.00		
							4493.00	477.00	2143161.00
	Approved Rate Rs.=	477.00							
E2	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.								
		Sqm							
	Chandrappa layout								
	1st Cross Rd LHS		1	46.90		0.40	18.76		
	1st Cross Rd RHS		1	41.30		0.40	16.52		
	2nd Cross Rd LHS		1	38.50		0.40	15.40		
	2nd Cross Rd RHS		1	46.80		0.40	18.72		
	3rd Cross Rd LHS		1	36.90		0.40	14.76		
	3rd Cross Rd RHS		1	48.70		0.40	19.48		
	4th Cross Rd LHS		1	37.10		0.40	14.84		
	4th Cross Rd RHS		1	46.70		0.40	18.68		
	5th Cross Rd LHS		1	40.00		0.40	16.00		
	5th Cross Rd RHS		1	46.90		0.40	18.76		
	Cross road		10	159.00		0.40	636.00		
							807.92	84.80	68511.62
	Approved Rate Rs.=	84.80							
								Sub Total 1 Rs.	16890327.26
								Miscellaneous & Rounding off	2648.41
								Total Rs.	16892975.67

Technical Sanction
Accorded For Rs. 16892975.67
Head of A/C. 8.3.7.1(1)...03
DER NO: 717.....01.21

Assistant Engineer
Ward 03
BBMP

Assistant Executive Engineer
Yelahanka Satellite Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP